

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number
WO 2005/002930 A1

(51) International Patent Classification⁷: **B60R 21/16**

(21) International Application Number: **PCT/EP2004/006275**

(22) International Filing Date: 9 June 2004 (09.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0314505.9 20 June 2003 (20.06.2003) GB

(71) Applicant (*for all designated States except US*): **AUTOLIV DEVELOPMENT AB [SE/SE]; Wallentinsvägen 22, S-447 38 Vargarda (SE).**

(72) Inventors; and

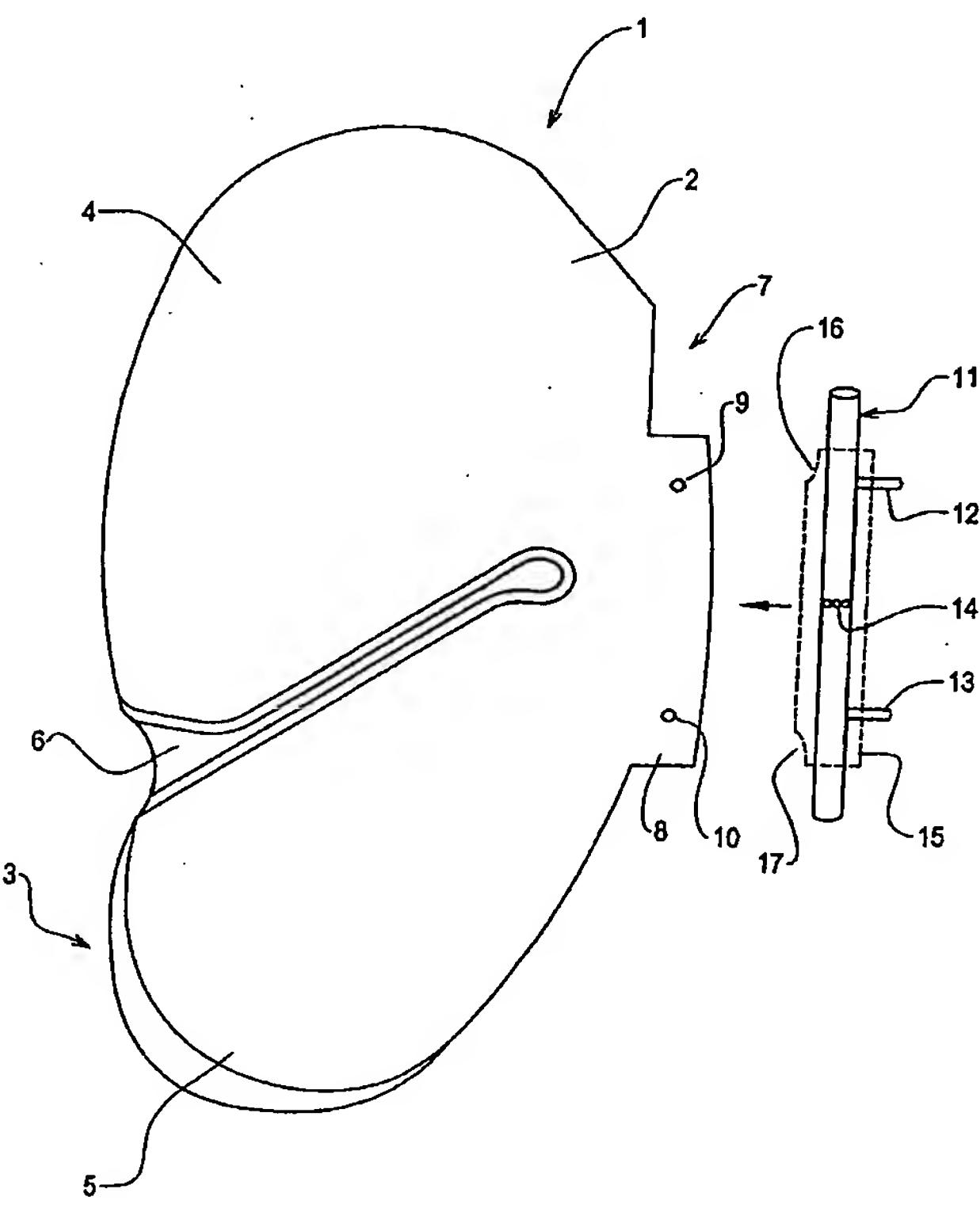
(75) Inventors/Applicants (*for US only*): **SVENBRANT,**

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH,

[Continued on next page]

(54) Title: AN AIR-BAG



(57) Abstract: A side air bag (1) is disclosed for a motor vehicle, and takes the form of a three-dimensional air-bag which is formed from two super-imposed layers (2, 3) of fabric. The super-imposed layers (2, 3) of fabric, when laid flat, have at least a substantial common area of, super-imposition. Infill pieces (42, 43) formed from either at least one gusset forming insert or from a portion or portions of fabric of one or both of the fabric layers (2, 3) which extend beyond the area of super-imposition are provided. The air-bag (1) has an inflatable region towards the upper part of the air-bag (1) and an inflatable region towards the lower part of the air-bag (1). The two inflatable regions are separated by a part of the air-bag which is constrained when the air-bag is inflated, to have a thickness less than the thickness of either of the said regions.

WO 2005/002930 A1



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.